

1. (Currently amended) A polymeric composition ~~comprising~~ consisting essentially of crosslinked AB diblocks, where A is a polyester unit derived from the polymerization of monomers selected from the group consisting of lactic acid, lactide, glycolic acid, glycolide, β -propiolactone, ϵ -caprolactone, δ -glutarolactone, δ -valerolactone, β -butyrolactone, pivalolactone, α,α -diethylpropiolactone, ethylene carbonate, trimethylene carbonate, γ -butyrolactone, p-dioxanone, 1,4-dioxepan-2-one, 3-methyl-1,4-dioxane-2,5-dione, 3,3,-dimethyl-1-4-dioxane-2,5-dione, cyclic esters of α -hydroxybutyric acid, α -hydroxyvaleric acid, α -hydroxyisovaleric acid, α -hydroxycaproic acid, α -hydroxy- α -ethylbutyric acid, α -hydroxyisocaproic acid, α -hydroxy- α -methyl valeric acid, α -hydroxyheptanoic acid, α -hydroxystearic acid, α -hydroxylignoceric acid, salicylic acid and mixtures, thereof and B is a polyoxyalkylene polymer which is end-capped with a non-reactive group, said AB diblock being further reacted with one or more crosslinking agents to produce crosslinked diblock polymers.

2. (Original) The composition according to claim 1 wherein said non-reactive group is an alkyl, aryl, aralkyl, substituted alkyl, substituted aryl, substituted aralkyl, a protecting group or a -C=C- containing group.

3. (Original) The composition according to claim 2 wherein said non-reactive group is a C₁-C₁₂ alkyl group.

4. Cancelled.

5. Cancelled.

6. (Original) The composition according to claim 1 wherein said polyester comprises poly(hydroxy carboxylic acid).

7. (Original) The composition according to claim 1 wherein said polyester is obtained from polymerization of an aliphatic hydroxycarboxylic acid or ester selected from the group consisting of L-lactic acid, D,L-lactic acid, glycolic acid, L-lactide, D,L-lactide, glycolide, caprolactone or mixtures thereof.

8-88. Cancelled.

89. (Previously presented) The composition according to claim 2 wherein said non-reactive group is an optionally substituted alkyl group.

90. (Previously presented) The composition according to claim 89 wherein said non-reactive group is a methyl group.

91. (Previously presented) The composition according to claim 90 wherein said polyoxyalkylene polymer is a polyethyleneoxide polymer.

92. (Previously presented) The composition according to claim 1 wherein A is a polyester unit derived from the polymerization of lactide monomers.

93. (Previously presented) The composition according to claim 92 wherein A is a polyester unit derived from the polymerization of lactide monomers.